$^{rac{1}{2}}$ PATENT COOPERATION TREA $^{-1}$

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION	see Form PCT/ISA/220 s well as, where applicable, item 5 below.
67007-015 International application No.	International filing date (day/month/yea	r) (Earliest) Priority Date (day/month/year)
PCT/US2004/028320	01/09/2004	09/09/2003
Applicant		
UNITED TECHNOLOGIES CORPO	RATION	
This International Search Report has bee according to Article 18. A copy is being tr	en prepared by this International Searchin ansmitted to the International Bureau.	g Authority and is transmitted to the applicant
	s of a total of4 sheets. y a copy of each prior art document cited	in this report.
The died decempanied by	, 4 00), 0, 040, 1	
Basis of the report a. With regard to the language, the language in which it was filed, ur	international search was carried out on taless otherwise indicated under this item.	he basis of the international application in the
The international this Authority (Ru		translation of the international application furnished to
b. With regard to any nucle	eotide and/or amino acid sequence disc	closed in the international application, see Box No. I.
2. Certain claims were for	und unsearchable (See Box II).	
3. Unity of invention is lac	cking (see Box III).	·
4. With regard to the title ,		
· ·	ubmitted by the applicant. shed by this Authority to read as follows:	
VALVE		
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5. With regard to the abstract,		,
	submitted by the applicant.	March as it consers in Day No. IV. The continent
the text has been establi may, within one month fr	om the date of mailing of this international	Authority as it appears in Box No. IV. The applicant al search report, submit comments to this Authority.
6. With regards to the drawings ,		
I	published with the abstract is Figure No.	
as suggested by	the applicant. his Authority, because the applicant failed	to suggest a figure.
1 =	nis Authority, because this figure better ch	
	be published with the abstract.	

International application No.

PCT/US2004/028320

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A control for controlling the amount of heated fluid entering the inlet of the driving heat source for a refrigerant absorption cycle is controlled to vary the relative amount of heated fluid entering the driving heat source inlet, and being dumped to atmosphere. Preferably, a diverter valve is utilized such that a first valve body (40) communicates the flow into the driving heat source inlet, and moves in opposition to a second valve body (46) controlling the flow through the exhaust. The two valves bodies (40,46) are preferably mechanically linked. Since the heated fluid is not allowed to enter the refrigerant absorption cycle as its drive heating source, no additional hardware and control for dumping excess heat is necessary within the refrigerant absorption cycle. A computer control preferably drives the first valve to a precise position and the linkage ensures the second valve is also received at a precise position.

nternational Application No

PCT/US2004/028320 CLASSIFICATION OF SUBJECT MATTER PC 7 F16K11/22 F25B49/04 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) F16K Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category ° 1-11 DE 499 691 C (SCHIFF UND MASCHB AKT GES X DEUT) 12 June 1930 (1930-06-12) figure 1 US 2 383 861 A (HOPKINS DAVID W) 1 - 11X 28 August 1945 (1945-08-28) figures 1-5 1 - 11US 6 216 737 B1 (GEERS WILLIAM ET AL) X 17 April 2001 (2001-04-17) abstract; figures 1-4 13-17,2012, 18, 19 WO 02/086397 A (ARITA KAZUHEI ; OGAI χ MASATO (JP); YAZAKI CORP (JP); TONGU SHINJI (JP);) 31 October 2002 (2002-10-31) abstract; figure 6 13-17,20Patent family members are listed in annex Further documents are listed in the continuation of box C. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *E* earlier document but published on or after the international "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention

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Date of mailing of the international search report

17 December 2004

Date of the actual completion of the international search

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

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